



Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	614.17.123
	First Named Inventor	Dretler
	COMPLETE IF KNOWN	
	Application Number	09 / 347,591
	Filing Date	July 1, 1999
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ENTRAINING BIOLOGICAL CALCULI

the specification of which (Title of the Invention)

☐ is attached hereto
OR

☒ was filed on (MM/DD/YYYY) 07/01/99 as United States Application Number or PCT International

Application Number 09/347,591 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

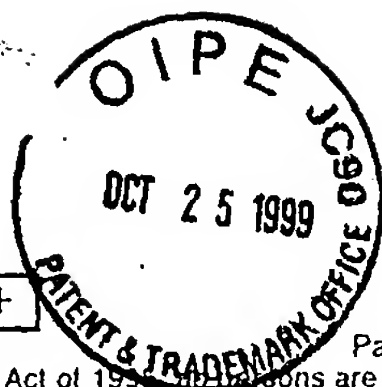
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 4]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

Name	Registration Number	Name	Registration Number
James B. Lampert	24,564		

☒ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label

OR ☒ Correspondence address below

Name	James B. Lampert				
Address	Hale and Dorr LLP				
Address	60 State Street				
City	Boston	State	MA	ZIP	02109
Country	US	Telephone	617-526-6000	Fax	617-526-5000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle if any)		Family Name or Surname					
Stephen P.		Dretler					
Inventor's Signature	<i>Stephen P. Dretler</i>			Date	10/29/99		
Residence: City	Wayland	State	MA	Country	US	Citizenship	US
Post Office Address	7 Deer Run						
Post Office Address							
City	Wayland	State	MA	ZIP	01778	Country	US

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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PTO/SB/02A (3-97)
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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Paul D.				Geragotelis				
Inventor's Signature	<i>Paul D. Geragotelis</i>			Date	8/8/99			
Residence: City	Sharon	State	MA	Country	US		Citizenship	US
Post Office Address	596 Mountain Street							
Post Office Address								
City	Sharon	State	MA	ZIP	02067	Country	US	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature				Date				
Residence: City		State		Country			Citizenship	
Post Office Address								
Post Office Address								
City		State		ZIP		Country		
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature				Date				
Residence: City		State		Country			Citizenship	
Post Office Address								
Post Office Address								
City		State		ZIP		Country		

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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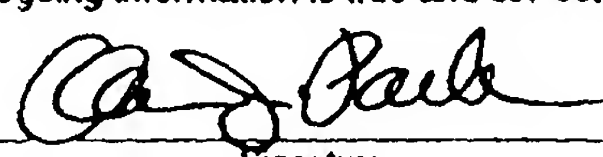
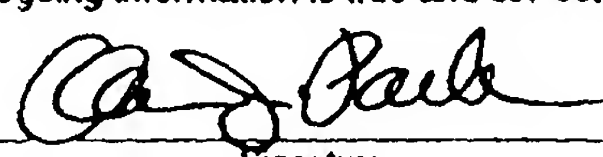
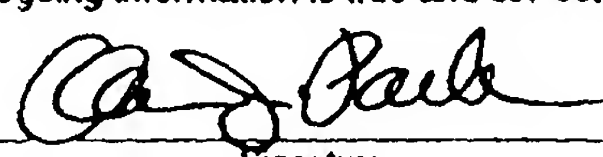
DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Wayne M. Kennard	30,271		
Michael J. Bevilacqua	31,091		
Hollie L. Baker	31,321		
Henry N. Wixon	32,073		
Anne-Louise Kerner	33,523		
Wayne A. Keown	33,923		
Michael A. Diener	37,122		
Donald R. Steinberg	37,241		
Gretchen A. Rice	37,429		
Keum J. Park	42,059		
Richard A. Goldenberg	38,895		
Colleen Superko	39,850		

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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Tab settings <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	REC	10-27-1999  101184682	SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks						
1. Name of conveying party(ies): <u>Stephen R. Dwyer, Paul D. Geragotelis</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>The MicroSpring Company LLC</u> Internal Address: _____ _____ Street Address: <u>77 Accord Park Drive, Building A</u> _____ City: <u>Norwell</u> State: <u>MA</u> ZIP: <u>02061</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>9/14/99, 8/2/99, respectively</u>						
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ <table style="width: 100%;"> <tr> <td style="width: 50%;"> A. Patent Application No.(s) <u>09/347,591</u> </td> <td style="width: 50%;"> B. Patent No.(s) </td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				A. Patent Application No.(s) <u>09/347,591</u>	B. Patent No.(s)	
A. Patent Application No.(s) <u>09/347,591</u>	B. Patent No.(s)					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Keum J. Park</u> Internal Address: _____ _____ Street Address: <u>Hale and Dorr LLP</u> <u>60 State Street</u> City: <u>Boston</u> State: <u>MA</u> ZIP: <u>02109</u>		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ <u>40</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <small>Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.</small> 8. Deposit account number: <u>08-0219 (Atty. Docket No. 614.17.123)</u> <small>(Attach duplicate copy of this page if paying by deposit account)</small>				
10/27/1999 NTH001 00000064 000219 09347591 DO NOT USE THIS SPACE						
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <table style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 30%;"> <u>Keum J. Park</u> Name of Person Signing </td> <td style="width: 30%; text-align: center;">  Signature </td> <td style="width: 40%; text-align: right;"> <u>October 21, 1999</u> Date </td> </tr> </table> Total number of pages including cover sheet, attachments, and document: 1				<u>Keum J. Park</u> Name of Person Signing	 Signature	<u>October 21, 1999</u> Date
<u>Keum J. Park</u> Name of Person Signing	 Signature	<u>October 21, 1999</u> Date				

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

PATENT
 REEL: 010329 FRAME: 0384

ASSIGNMENT

WHEREAS, I, Stephen P. Dretler, being a citizen of the United States, residing at 7 Deer Run, Wayland, Massachusetts 01778, and I, Paul D. Geragotelis, being a citizen of the United States, residing at 596 Mountain Street, Sharon, Massachusetts 02067, are inventors of certain new and useful inventions, improvements or discoveries (hereinafter "said inventions"), for which an application for Letters Patent entitled "ENTRAINING BIOLOGICAL CALCULI," was filed with the United States Patent and Trademark Office on July 1, 1999, and assigned United States Patent Application Number 09/347,591, a declaration for which I have executed on an even day herewith (hereinafter "said application"); and

WHEREAS, The MicroSpring Company LLC, whose address is 77 Accord Park Drive, Building A, Norwell, Massachusetts 02061-1605, and which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions, said application, any and all other applications for Letters Patent for any inventions based directly or indirectly in whole or in part upon said inventions or said application, any and all United States or foreign Letters Patent which may be granted for any of said inventions or upon said application or any of said other applications, together with every priority right that is or may be predicated upon, or arise from any of said inventions, said application, said other applications or said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patents to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

4. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions, said application, said other applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to us relating to said inventions and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents or other things in my control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions.

5. The undersigned hereby grant(s) Hollie L. Baker, Reg. No. 31,321; Michael J. Bevilacqua, Reg. No. 31,091; Michael A. Diener, Reg. No. 37,122; Richard A. Goldenberg, Reg. No. 38, 895; Wayne M. Kennard, Reg. No. 30,271; Wayne A. Keown, Ph.D., Reg. No. 33,923; Ann-Louise Kerner, Ph.D., Reg. No. 33,523; James B. Lampert, Reg. No. 24,564; Keum J. Park, Reg. No. 42,059; Gretchen A. Rice, Ph.D., Reg. No. 37,429; Donald R. Steinberg, Reg. No. 37,241; Colleen Superko, Reg. No. 39,850; and Henry N. Wixon, Reg. No. 32,073 of HALE AND DORR LLP, 60 State Street, Boston, Massachusetts 02109, power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have hereunto set my hand.

DATE: 9/14/99

Stephen P. Dretler
Stephen P. Dretler

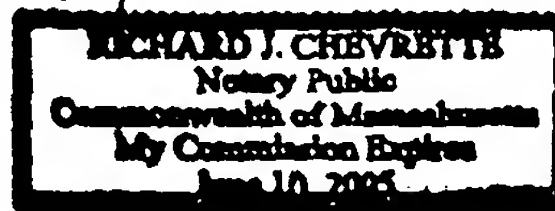
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14
day of September, 1999.

L.S.

State of Massachusetts)
County of Suffolk)

Personally appeared before me this 14 of September, 1999, the
above-named Stephen P. Dretler who acknowledged that he executed the
foregoing instrument as his free act and deed.

Richard J. Chevrete
Notary Public



Attorney Docket No. 614.17.123

DATE: 8/2/99

Paul D. Geragotelis
Paul D. Geragotelis

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 2nd
day of August, 1999.

L.S.

State of MASS)
County of Norfolk)

Personally appeared before me this 2nd of August, 1999, the
above-named Paul D. Geragotelis who acknowledged that he executed the
 foregoing instrument as his free act and deed.

Christine M. Hennessey
Notary Public

MY COMMISSION EXPIRES MARCH 20, 2001



POWER OF ATTORNEY
FROM ASSIGNEE

The MicroSpring Company LLC whose principal address is 77 Accord Park Drive, Building A, Norwell, Massachusetts 02061-1605, Assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. §100), of an invention known as "Entraining Biological Calculi" (Attorney Docket No. 614.17.123) which is disclosed and claimed in a patent application of the same title with and through an Assignment to the Assignee executed on 9/14/99*, by Stephen P. Dretler** with and through said application filed on July 1, 1999 at the U.S. Patent and Trademark Office, having Serial No. 09/347,591.

The Assignee hereby appoints the following attorneys to prosecute this application and such division, continuation, and reissue applications thereof as are filed by them on behalf of the Assignee, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Hollie L. Baker, Reg. No. 31,321; Michael J. Bevilacqua, Reg. No. 31,091; Michael A. Diener, Reg. No. 37,122; Richard A. Goldenberg, Reg. No. 38,895; Wayne M. Kennard, Reg. No. 30,271; Wayne A. Keown, Ph.D., Reg. No. 33,923; Ann-Louise Kerner, Ph.D., Reg. No. 33,523; James B. Lampert, Reg. No. 24,564; Keum J. Park, Reg. No. 42,059; Gretchen A. Rice, Ph.D., Reg. No. 37,429; Donald R. Steinberg, Reg. No. 37,241; Colleen Superko, Reg. No. 39,850; Henry N. Wixon, Reg. No. 32,073.

Assignee hereby grants the named attorneys the power to insert on this Power of Attorney any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send Correspondence to: James B. Lampert
Hale and Dorr LLP
60 State Street
Boston, MA 02109

Direct phone calls to: (617) 526-6000

*and 8/2/99

**and Paul D. Geragotelis,
respectively

THE MICROSPRING COMPANY LLC

By: 

Title: 

Date: 9/22/99